



Illinois Department of Transportation

Memorandum

To: ALL BRIDGE DESIGNERS 04.1

From: Ralph E. Anderson *Ralph E. Anderson*

Subject: English Prestressed Concrete Manual Revision

Date: January 16, 2004

The design charts and details for deck beams were updated for ½" diameter low relaxation strands in the September 2003 revision of the English Prestressed Concrete Manual. The prestressing force on a low relaxation strand should be 30,900 pounds; however, the note under the Typical Section for all deck beam base sheets still shows a prestressing force of 28,900 lbs. which corresponds to the old stress relieved strand design. Also, the Fabric Bearing Pad details on Base Sheets PD-5-L and PD-5-R are incorrect.

The necessary revisions for the prestressing force and the fabric bearing pad details have been made to the base sheets in the Prestress Cell Library (*BSLIBPRE.cel*) located on the IDOT web site. The effective dates have been revised to 1-16-04 in the lower left hand corner of the base sheets. These corrected base sheets shall be used effective immediately in all applicable projects. The Bureau of Bridges and Structures Manuals CD will be revised accordingly in the next edition.

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